SCIENCE NEWS INDEX — Vol. 94, Nos. 1-26, July-Dec., 1968 pp. 1-660

SCIENCE SERVICE, WASHINGTON, D. C. 20036

A

ABM, Brookings report 590
ABM vs. MIRV 180
AEC, Nuclear power 310
ALG 57, 132, 319
ATP control mechanism 522
ATS-1 216
ATS-3 113
ATS satellites, Hydrazine 12
Aborigines, Australian 450
Abortion law repeal 544
Accelerator, CERN 300-GeV 29, 30, 387
Accelerator, Coaxial 574
Accelerator, Electron rings 44
Accelerator, 40-GeV 506
Accelerator, Original linear 182
Accelerator, 76 GeV 500
Accelerator, Superconducting 139
Accelerator, 200-Bev 81, 108, 161
Achenbach, Paul 372
Activation analysis, Emulsions 421
Activation analysis, Feathers 571
Addictions, Multiple 338
Adey, W. Ross 93, 95
Aerosol size, Distribution 268
Aerospace industry employment 12
Aged women, Income 235
Aggression, Humans 523
Aggressiveness, Child rearing 625
Agro-industrial complex 263
Ainu studies 602
Air cushion, Damming water 519
Air pollutants, Remote sensing 243
Air pollutants, Source 503
Air pollutants, Tumor 627
Air pollution, Measured by eye 313
Air pollution, Sulfur oxides 281
Air pollution control 503, 504
Air quality control regions 35
Air-sea interactions 476
Air traffic control 131
Airborne geophysical prospecting 183
Airbus engine, Quiet 61
Airliners, Hijacked 204
Airport, Noise problems 61
Airport passenger delays 278
Airport runways, STOL 390
Alaskan canal, Salinity 13
Alaskan resources, Japan 70
Alcohol, Hallucinogens 314
Alcohol, Librium effects 312
Alcohol poisoning 112
Alcohol hepatitis 185
Alcoholics, Anesthetics 473
Alcoholism, Compounded 338
Alcoholism, P-chlorophenylalanine 37
Aldridge, F. T. 155
Aleutian sea channel 35
Alexander, George J. 599
Alexander, J. M. 278
Algae, Combat pesticide 292
Allard, Robert W. 391
Alligators, Atomic heat 495
Aluminum wastes, Reduced 159
Alväger, Torsten 543
Alvarez, Luis W. 182, 467
Alvim, Paulo de T. 642
Alvin mini-sub, Sunk 515
Amber, Mapping 553
Ambrose, E. J. 215, 325
Amchitka otters 479
American Medical Association 9, 14
American Physical Society, Politics 82
Aminothiols, Radiation 498
Ammonia, Nuclear energy 285
Ammonia molecules, Milky Way 639
Amoore, John E. 314
Analogue fluidics kit 221
Anders, William A. 442, 613
Andrew, B. H. 59
Anesthesia, Alcoholics 473
Anesthetic gas, Silicone tube 493
Anesthetics, Fetus 473
Angus cow 218
Animal-plant link 522
Anomalous water 616
Antarctic station, Stilts 476
Antarctica, Research 628
Anthraquinone 38
Antiballistic missile system 180, 492, 590
Antibiotic test 571
Antibodies, Antibrain 40
Antibodies, Disease recurrence 319
Anticancer serum 22
Anticancer drugs 626
Anti-evolution laws 441
Antigen, Cancer link 319
Antineutrinos, Confirmed 64
Apartment complex, Prefabricated 372
Apes, Behavior in the wild 140
Apes, Handle liquor 235
Aphasia, Cross-cultural 422
Apollo command module, Test 206
Apollo 7 338, 387
Apollo 7 astronauts 410, 411
Apollo 7 through 10 338, 618
Apollo 8 442, 518, 569
Apollo 8 options 613
Apollo 9, Lunar module 442
Apollo 10, 11 569, 614
Appalachia, Squirrels 359
Appendicitis, Diagnosis 90
Aquaculture 83
Aquanauts, Sealab III 242
Archaeology, Chemistry 552
Archaeology, Computer-processed 361
Arches of Sciene Award 311
Armadillos, Nine-banded 555
Armenian, Second language 235
Arms race renewal 492
Arnason, Geirmundur 480
Arp, Halton C. 474
Artery, Dilating technique 572
Artery hardening, Fat 642
Artery implant, Kidney 14
Artificial arm, Nerve-controlled 342
Artificial heart, Nuclear 442
Artificial heart vs. transplant 385
Artificial heart valve 185
Artificial lung, Hyaline membrane 109, 442
Artificial sweeteners, Antibiotic 571
Artificial sweeteners, FDA 428
Ashley, Vera 494
Ashton, Frederick 161
Asphalt, Rain 313
Assassination, Prevention 621
Assembly-line workers 235
Asteroid 433, Eros 474
Asteroid Icarus 574
Asthmatic child, Exercise 163
Astronauts, Breath analyzer 573
Astronauts, Infections 595
Astronauts, Rescue 446, 600
Astronauts, Spacewalks 446
Astronomische Jahresberichte 389
Astronomy, Molecular 168, 639
Astronomy, Neutrino 63
Astrophysics, Research at Caltech 110
Atmosphere's absorption 189
Atomic beam lasers 397
Atomic energy, India 146
Aspirin habit, Ulcers 413
Aurintricarroxylate 444
Aust, Steven D. 62
Austin, Pauline M. 268
Australia, Research funding 530
Australian aborigines 422
Australian-British satellite 573
Australian desert 220
Australian nuclear power 98
Australian seafloor study 519
Australian uranium 300
Australian wildlife 170
Australoids 450
Australophithecus 523
Austrian, Robert 570
Auto assay, Mining 60
Automobile accidents 475
Automobile exhaust gases 503
Automobile seatbacks 214
Avalanche rescue 137
Axel, Peter 139
Axford, W. Ian 320
Azurin, J. C. 597

B

B-6 deficiency 542
BCNU, Anticancer drug 444
BOMEX 476
Baboon heart transplant 385
Baboon liver transplant 236
Bach, Fritz 319, 550
Bach, Hartwig C. 313
Bade, Rudolf 214
Baer, Walter S. 7
Bakke, Oscar 132
Balloon bursts, N shape 38
Banes, Daniel 107
Banks, Peter M. 320
Bannier, J. H. 30
Barging, Up a slope 41
Barium clouds, Rockets 643
Barley, Multiline sowing 36
Barmby, John G. 446
Barnard, Christiaan 57, 132, 236, 260, 385, 569
Barnard, E. E. 182
Barrett, Alan H. 244
Bartlett, E. L. 441
Bartley, Robert T. 106
Basic research, Future 309
Basov, N. G. 398
Battery, Lithium-chlorine 214
Baume, Peter 413
Bazelon, Mary 62
Baxter, Philip 376
Baynard, Ernest 131
Beams, Jesse W. 414
Bearing stress, Distribution 285
Beck, Curt W. 552
Beckett, Peter G. S. 40
Beer, Sound 497
Beer bottle, Self-destroying 159
Befeler, David 572
Beisse, Frederic 526
Bender, Ross 360
Ben-Hur, Mahum 350
Benn, Anthony-Wedgwood 582
Bennett, J. C. 114
Bennett, W. R. Jr. 398
Benson, William E. 361
Benton, Arthur L. 422
Benzene chains, Polypeptide 215
Bereavement, Normal 160
Beregovoi, Georgy 467
Bergen, John 39
Berger, Rainer 476
Bergeron, Tor 480
Berkowitz, Leonard 5
Bernal, J. D. 616
Bernardini, Gilberto 366
Berry, Charles 410
Berry, Edwin X. 268
Bethe, Hans 386
Bile, Four components 320
Binder, Alan B. 622
Biomedical engineering 493
Biosatellite 3 94
Biota mixing, Canal 579
Birch, Charles 170
Birth control clip 391
Birth control edict 134, 460
Birth rates, European 134
Black, David S. 165
Black, Roger L. 178
Black, W. Bruce 313
Black bears 359
Blackbody radiation 162, 414, 543
Blackbody spectrum 38, 213
Blackstone Rangers 80, 176
Blaiberg, Philip 57, 132, 260
Blakey, Durward L. 362
Bland, Edward 515
Blastocyst, Abortion 119
Blindness, Zambia 207
Blood Pluronic F68 550
Blood Viscosity 215
Blood cell, Ion etching 640
Blood cells Aging 184
Blood cells Color test 571
Blood clot Catheter tube 443
Blood clot Streptokinase 597
Blood fats, Guilt feelings 544
Blood oxygenation 110
Blovin, Glenn M. 285
Blowfly, Pesticide carrier 36
Bock, Fred G. 90
Bodarky, Clifford J. 346
Bodin, Hugh A. B. 439
Boeing, Fixed wing 440
Böggild, J. K. 30
Bogoch, Samuel 57
Boiler, Fluidized bed 598
Bolsa Island desalting plant 639
Bond, George F. 240
Bone marrow transplant 550
Bonica, John J. 473
Bonnen, James T. 539
Booster rockets, U.S. 446, 573
Borch-Jacobsen, Neils 630
Borgaonkar, Digamber S. 410
Borman, Frank 409, 442, 613
Bose, Ajay K. 62
Bostick, Winston 574
Boston arm 342
Bousso, Dino 342
Böving, Bent G. 256
Bowles, R. E. 83
Boyd, Robert L. F. 543
Boynton, P. E. 213
Bradford, Marvin 186
Bradley, Thompson 214
Bradner, Hugh 468
Brain, Alcohol damage 339
Brain, Input control 264
Brain, Limbic 91
Brain, Sugar direct to 314
Brain damage, Under-nourished infants 160
Brain death, Defined 178
Brain drain, Britain 376, 582
Brain neuron 56
Brain pacemaker 92
Brain surgery, Ethics 92
Brain tumor 365
Brakes for ships 285
Branding, Cryogenic 571
Branson, N. J. B. A. 389
Brayer, Franklin T. 134
Brazier, Mary A. B. 473
Breast cancer, Virus 154
Breath analyzer 573
Breathing, Re-learn 264
Breathing tube, Monitor 368
Bregman, J. I. 164
Bremer, Sherman L. 183
Brewer, R. G. 161
Bridge, Foam plastic 498
Bridge, Wind tunnel test 60
Bridgeman, R. F. 352
Briggs, R. E. 114
British doctors 413
British industry 582
British policy, Europe 30
British technology, Russia 482
British uranium finds 519
British wildlife, Suburbs 367
Brodey, Warren 464
Brody, T. P. 243
Broken legs, Walking on casts 14
Brooks, Jack 132
Brown, Glenn H. 323
Brookings study, Agenda for Nation 590
Brown, Paul W. 14
Brown, Raymond R. 542
Brown, William J. 362
Bruce, David L. 473
Bruce, William R. 626
Bruckner, R. G. 571
Brunner, Alfred 183
Bubble chamber 542
Budker, Gersh Istkovitch 44
Buffington, Edwin C. 244
Bufo marinus 424
Building technology 355
Bulbul, African 425
Bullitt, Orville H. 637
Buoy, Data-transmitter 158
Buoy, Cobb Seamount 35
Burbidge, Geoffrey R. 554, 644
Burch, Thomas K. 134
Burchfield, Eleanor Storrs 555
Burlingame, M. V. 445
Burn solution, Intravenous 475
Burnet, Macfarlane 261
Burns, Graft 350
Burns, Ointment 14
Burton, Ralph A. 615
Butcher, James W. 642
Byrd, Robert C. 187

C

CAT, Shock absorbers 113
CERN accelerator 29, 30, 320
CERN membership 31, 541
CERN proton synchrotron 387
CPT symmetry 266
Cable system, Glass fiber 159
Cacao tree parasite 642
Cade, Tom J. 595
Calaby, John 170
Calcium absorption 522
Caldwell, Turner F. 295
Californium 252, Price 474
Callahan, Philip S. 244
Calorie intake, Lowered 522
Calvin, Melvin 168
Cambel, Ali Bulent 448
Cambridge Electron Accelerator 43
Camelot site, Computer search 544
Campbell, Angus 179
Canadian marsh, Waterfowl 13
Canal, Inclined plane 41, 104
Canal, Interoceanic 578
Canaries, Nesting song 292
Cancer, Chemotherapy 626
Cancer, FMR antigen 319
Cancer, Interferon 341
Cancer, Lung 112
Cancer, Mosquito coils 135
Cancer, Radiation 365
Cancer, Radioactive sera 22
Cancer, Virus MSV 463
Cancer, Yttrium 442
Cancer graft, Immunity 351
Cancer test, Liquid crystals 324
Cancer tissue, Virus 154
Cancerous membrane, Magnified 322
Cancers, Slow-growing 627
Candicin, Cholesterol 341
Cannibalism, Kuru 261
Capacitated germ 591
Cape Barren goose 58
Carbamazepine 62
Carbon arc solar simulator 285
Carbon monoxide 505
Carmichel, Henri 182
Car-parking tower 183
Carpenter, Raymond 206
Carte, A. E. 268
Carveth, Stephen W. 572
Catfish, Walking 423
Catholic birth rate 134
Cattle, Activated charcoal 520
Cattle, Winter losses 111
Cattle diet, Proteinless 218
Ceder, Helge 243
Celescope 616
Cell kinetics, Cancer 626
Cell surface structure 215
Cells, Cancerous 627
Cellulose, Ruminants 219
Cement, Runway repair 12
Centers of excellence 77
Cerebral palsy treatment 264
Cernan, Eugene A. 569, 614

Cesium magnetometer, Sybaris 637
Challenger, Continental drift 362
Challenger, Drill string 143
Chandler's wobble, Earthquakes 320
Chang, M. C. 591
Charcoal, Livestock 520
Charge asymmetry 266
Charge image detector 543
Charge transfer, Lightning 366
Charleroi-Brussels Canal 41
Charles, Seymour 14
Charlson, R. J. 313
Chemical fingerprinting 552
Chemicals, Scrapped tires 598
Chemistry blocks 121
Chemists, Research support 309
Chicago, Convention site 267, 513
Chicken breeding 111
Child growth, Vaccinations 84
Child rearing, Six cultures 624
Childbirth, Fathers 52
Chimp study, Isolation 205
Chimpanzee, Kuru 261
Chimpanzee, Mobile 140
Chistyakov, I. G. 323
Chloramphenical 82
Chloroquine, Low doses 185
Cholera Dolores 597
Cholesteric helix 324
Cholesterol, Candicidin 341
Cholesterol, Susceptible types 544
Cholesterol study, Clofibrate 342
Cholesteryl benzoate 321
Chomsky, Noam 525
Chopra, S. R. K. 32
Chromosomal sex, True sex 312
Chromosome damage 291
Chromosome pattern, XYY 410
Chromosomes, Criminal behavior 388
Chromosomes, Hemophilia 119
Chromosomes, Radiation damage 614
Church, Frank 360
Cigarette labeling 34
Cigarettes, Fire hazard 305
Cigarettes, Nitrate effects 36
Cigars, Oral cancer 572
Circadian rhythm, Unborn animals 292
Circuit checker 11
Citron, Robert 359
Clark, John F. 491
Clarke, James W. 392
Clarke, John 620
Clayton, Dale 292
Clayton, Paul 160
Cleanroom, Mobile 61
Clifford, Clark 79
Climate changes, Rapid 476
Clofibrate 342
Cloud droplets, Computed 268
Cloud height measurement 519
Cloud physics 268, 480
Cloud-seeding hail 261
Coal, Aerobic origin 474
Coal mine disasters 567, 568
Coal-to-oil refinery 594
Coaxial accelerator 574
Cobb Seamount 35, 293
Cochran, P. D. 596
Cocivera, Michael 38
Code, Arthur D. 492
Cohen, Jeffrey M. 596
Cohen, Melvin 160
Cohen, Wilbur J. 34, 106, 231, 341
Colds, Immunofluorescent test 595
Cole, Herbert Jr. 292
Colgate, Stirling A. 644
Colliding beams 43
Collins, Max 205
Collins, Michael A. 314
Collision warning 549
Colodny, Edwin I. 230
Color center crystallography 430
Color change, Electric 215
Color change, Liquid crystals 320, 321, 325
Columbia observatory 59
Coma, Irreversible 178
Comet 1968-C 114
Communications satellites, TV use 259
Compounds, Trireticulate 89
Computer, Cathode ray 544
Computer, Europe 194
Computer, Medical research 493
Computer, Prospecting 13
Computer, Shipboard 285
Conception, Controversy 254
Conklin, E. K. 389
Constant 2e/h 620
Construction, Foamed concrete 374
Continental shelf, Antarctic 628
Contour scanner, Automatic 498
Contraceptive pill, Long-term effect 62
Phlebitis 550
Phenobarbital 157
Cook, Robert M. 520
Cooley, Denton 57, 132, 177, 385, 569
Cooper, Duane H. 543
Cooper, Theodore 57, 319, 385
Copeland, John 116
Copper Culture, Mich. 552
Corcoran, Paul J. 264
Cord-loads, Measuring 159
Cordier, Andrew W. 340
Coronary care, Intensive 231
Corson, John J. 539
Cortisone, Harmful 136
Cosmic dust density 286
Cosmic ray, Life expectancy 414
Cosmic ray components 568
Cosmic ray flux 414
Cosmic ray intensity 596
Cosmic ray muons 161
Cosmic ray quarks 244
Cosmic ray shower 162
Cosmic rays, Constant 596
Cosmic rays, Neutral 64
Cosmos 188 467
Cosmos 215 162, 492
Cotzias, George C. 623
Coulomb's law, Checked 596
Counterweight for hoist 183
Coursin, David B. 542
Cow, Reproductive records 136
Cowan, Clyde L. 64
Cows, Fertilized grass 111
Cows, Progesterone 136
Craft, Harold D., Jr. 362, 388, 465
Craighead, John E. 571
Creativity, I. Q. 28, 76
Criminal justice, Computer information 243
Crick, Francis 299, 556
Crisis therapy, Family situations 84
Crosland, Anthony 482
Cryobiology, Brain 178
Crystal, 1,000 holograms 620
Crystallographic research 298
Crystals, Color centers 430
Crystals, Squeezing 286
Cudaback, David D. 168, 244
Culham Laboratory 438
Cultures, Patterns of 624
Cunningham, Walter 387, 409
Cybernetics, Activists 464
Cyclamates, Antibiotics 571
Cyclamates, FDA 428
Cyclophosphamide 520
Cygnus, 61 Cygni 190
Cystic fibrosis 62, 391
Cytoplasm, Genetic importance 557
Czechoslovakia, Soviet invasion 234, 283

D

DDE, Nontoxic 642
DDT residues 337, 642
DMSO, Short-term use 341
DNA, Extra-nuclear 556
DNA slowed, Halothane 473
DOD research, Systems Analysis 79
Dabbling ducks, Dry basins 269
Daddario, Emilio Q. 33, 503
Dalton, N. F. 595
Dams, Hovercraft skirts 519
Danes, B. Shannon 391
D'Angio, G. J. 365
Daniels, George F. 104
Danish Government, U.S. rockets 222
Dart, Raymond 523
Davenport, Richard 142, 206
Davis, Joseph R. 236
Davis, Leverett Jr. 474
Davis, Richard 80
Day, J. Edward 442
Deafness, Strokes 641
Deal, William C. 522
Dearborn, John H. 628
Death, Determination of 177
DeBakey, Michael E. 106, 261
de Broglie, Louis 366
Deep-sea battery 519
Deep sea drilling 361
DeGaulle, Charles 590
De-icing, Gold 368
Deihl, David T. 38
Delta 9-THC, Injected 37
De Luca, Hector F. 391
Dembling, Paul G. 600
Deo, M. G. 46
Depression, Inherited 465
Deprivation experiments 235
Derjaguin, Boris V. 615
Desalination, Murray River 476
Desalting plant, Nuclear 639
Desert livestock 111
Dextran, Platelets 443
Diabetes, Statistics 572
Diabetes, Virus 571
Diabetic blindness 157
Diabetics, Cyclamates 429
Diagnosis, Sprays 641
Diamonds, Methane 214
Dick, Elliot C. 595
Dicumarol 551
Dielectric constant, Lunar 213
Diet pills, Court test 494
Dietary allowances 522
Digitalis, Toxic doses 494
Dingle, A. Nelson 620
Dintenfass, Leopold 215
Dirksen, Everett M. 81
Diverticulosis, Treatment 572
Dixon, Robert L. 429
Doctors, Rural scarcity 352
Dogs, Cooled 184
Dogs, Reared for research 136
Dogs, Suspended animation 177
Dole, Vincent 621
Dolnick, E. H. 520
Dominick, Peter H. 108, 437
Dopamine 623
Dotter, Charles T. 572
Doyle, Stephen 600
Drake, Frank 362, 465, 592
Drilling, Under sea 143
Drinking drivers 84
Drinking patterns, Apes 235
Drivers' heart rates 135
Drug action, Computer analysis 391
Drug industry, FDA 310, 642
Drug quality code, WHO 36
Drug responses, Metabolism 551
Drugs, Effectiveness 311
Drugs, Generic 82, 311, 341
Drugs, Natural 192
Drunkenness, Chemical nature 314
Dry ice maker 121
Dryest period, Earth's 476
Dubin, Robert 526
Dubinin, Nikolai P. 291
DuBridge, Lee A. 589
Duck ecology, Potholes 269
Dudrick, Stanley J. 443
Duke, Martin 137
Duncombe, R. L. 516
Dunlap, Justus R. 521
Dust storm, Australia 220
Dye, Antiviral substance 444
Dynamic scattering 325, 462
Dyson, Freeman J. 622

E

ELDO, Electric propulsion 446
ESP registry 84
Earth, Dryest period 476
Earth, Polar wind 320
Earth waves, Sonic booms 521
Earthquake damage, Soil type 137
Earthquake early warning network 643
Earthquake simulator 400
Earthquakes, Earth's wobble 320
Earth's spin, Irregular 643
East Africa, Yellow fever 248
Eastern Europe, Nationalism 283
Eastlund, Bernard J. 439
Eastman, Lester 118
East-West exchange 482
Eastward, Ocean study 643
Ebeling, D. R. 98
Echo locator 221
Eckardt, R. E. 504
Eckert, Bruno 617
Eclipse, Moon 326
Eclipse, Solar, 1970 114
Ecological invaders 423
Economics, Political choices 590
Ecosystems, Canals upset 578
Edwards, Robert 119
Egg production 111
Eggen, Olin 577
Eggs, Cracked 282
Egyptian temple, Computer 361
Ehrmantraut, Wilfred H. 494
Eights, James 628
Eisele, Donn 387, 409
Eisenhower, Dwight D. 231
Electric propulsion, Spacecraft 446
Electricity, Nuclear power 263
Electro-adhesive pad, Astronaut 446
Electrocardiogram 597
Electrons, Galactic 568
Electromagnetic interaction 266
Electron diffraction, Magnetic 286
Electron-positron collisions 44
Electron storage ring, NRL 43
Electron synchrotron, 10 Bev 344
Electrons, Gravitational field 414
Electrophilic fluid, Plasma 448
Electrosleep, Insomniacs 422
Element 110 or 114 593
Ellis, Elliot F. 163
El-Swaify, S. A. 208
Emboli, Cardiac catheter 443
Emotional brain 91
Endometrial carcinoma 90
Engelbrecht, Rudi 116, 118
Engineering, Medical 493
Engineering enrollment 488
Engineers, Social problems 544
Enzyme, Anticancer 135
Enzyme action, GAPD 522
Enzyme defects, Hereditary 291
Enzyme streptokinase 597
Epidemic, Computer-simulated 496
Epilepsy, Normal life 572
Epperson, Susan 441
Eros, Solar distance 474
Ervin, Frank R. 92
Eshleman, Von R. 180, 202
Espinosa, A. F. 521
Estoque, M. A. 313
Estrogen, Amino acid excreted 542
Estuarine prediction, Maine 13
Etruscan forgeries 552
Etzwiler, Donnell D. 572
Europe, Computer industry 194
Europe, Patents 630
Europe, Water pollution control 233
European Physical Society 366
Eurotransplant 319
Evans, A. C. 162
Evans, Alfred S. 413
Evans, Robley D. 638
Evolution, Legal 518
Evolution trial, Supreme Court 440
Explosive ship, Seismic test 8
Ezekiel, Shaoul 398

F

F-111 fighter 340
Fairbairn, David 300
Fairbank, William 139
Falk, John 220
Fambrough, Douglas 522
Families, Soulard area 394
Family law reform 497
Family planning, WMA 207
Fast breeder reactor 310
Fattorusso, Vittorio 342
Feathers, Activation analysis 571
Fechtig, H. 286
Feeds, Salmonellas 136
Fejfar, Zdenek 342
Feller, William F. 154
Felt, Roland E. 549
Female rats, Radiation damage 549
Fergason, James L. 320, 323
Ferguson, Warren J. 517
Fermi, Enrico 526
Fertilization, Test-tube 591
Fertilizer, Cloud seeding agent 268
Feynman, Richard P. 501
Field, George B. 168
Fields, Paul 522
Film-emulsion analysis, Rapid 421
Finney, J. L. 616
Firefighting helicopters 158
Fish concentrate plant 476
Fish kills, Power plants 164
Fisher, R. Darryl 443
Fishman, Robert 370
Fitz-Gerald, Frances L. 235
Flavor, Bacteria 595
Flies, DDT resistant 520
Florida's ecology 403, 423
Floods, Predictions 208
Fluidic bow thruster 83
Fluidized bed combustor 598
Fluke, Donald 614
Foamed-in-place material 373
Folkman, M. Judah 493
Football players, Cardiac arrest 572
Forbes, A. J. 207
Forestry radar altimeter 60
Goodyear, M. U. 549
Fossil jaw, Ramapithecus 32
Fossil jellyfish, Pennsylvania 495
Fossils, Volcanic beds 621
Foster, John S. Jr. 340
Foti, Guiseppe 637
Four-color solution 334
Fowler, William A. 110
Fox, Charles L. Jr. 14
Fox, Harry 615
Fox, Vernelle 338
Fox populations, Rabies 68
Franzini, Paolo 414
Fraser, Malcolm 530
Freeark, Robert J. 475
Freeman, Bromley S. 157
Fremont-Smith, Frank 464
French, A. P. 527
French science 590
Frequency shift, Radio waves 156
Frey, Charles 475
Friedan, Betty 516
Friedman, Herbert 89, 182, 363, 517
Frostbite, Tissue loss 475
Frozen red blood cells 184
Frozen tissue, Thawing 184
Fuel cells, Commercial 445
Fukuda, Hideo 10
Fundamental contants 620
Fusion, Controlled 438, 574
Fusion device, Laser 137

G

Gaelic, Restoration 267
Gaetano, Frank W. 217
Gajdusek, D. Carleton 261
Galactic magnetism 282
Galaxies, Collision 644
Galaxies, Companion bodies 474
Galaxies, Intense radiation 644
Galbrath, Don 204
Gallium arsenide, Gunn effect 116
Gamma rays, High energy 568
Gann, Donald 493, 540
Gap acceptance mode 598
Gaposchkin, E. M. 389
Gardner, Elmer 346, 371
Gardner, Richard 119
Garrett, Richard E. 544
Garrison, William L. 539
Gas turbine automobile 617
Gassing technique Cy-mag 68
Gastric ulcers, Aspirin 413
Gaufin, Richard F. 527
Gauge, Magnetic contour 169
Gavin, James 372
Geese, Cape Barren 58
Gell-Mann, Murray 501
Generics, FDA 82, 311, 341
Genes, Cytoplasmic components 556
Genes, Protected environment 292
George, Nicholas 159
Germ-free ward, Leukemia 342
German measles 444, 641
German nuclear research 454
Germany, CERN 320
Gerwig, Theodore 236
Ghetto family 379, 393
Ghetto gangs, Business 186
Giacconi, Ricardo 363
Gifford, Richard P. 107
Gilbert, Walter 557
Gilder, S. S. 207
Gillespie, Carl M. 644
Gillies, Margaret 413
Gilmore, Warren 186
Glaser, Donald 468
Glaser, Frederick B. 346
Glass, Bentley 6
Glass fiber cable 159
Glass fiber submersible 83
Glass-titanium sphere 83
Glasscote, Raymond 370
Globulin clue, Schizophrenia 39
Glomar Challenger 144, 361

Glomerulonephritis ... 319
Glueability tester ... 121
Goddard, James L. ... 107, 392, 429
Godlowski, Zbigniew Z. ... 157
Godwin, R. C. ... 446
Gold-coated windows ... 368
Goldberg, Leonard ... 312
Goldsmith, Harry S. ... 14
Goldstein, Richard M. ... 59, 138, 574
Gonnels, Tex ... 245
Gonorrhea ... 362, 413
Gonzales Flores, Manuel ... 400
Gonzalez, Gerardo ... 61
Good, Robert ... 550
Goodell, James ... 187
Goosen, G. J. ... 207
Gorilla social group ... 142
Gottlieb, J. S. ... 39
Goyer, G. G. ... 262
Graduate student, Research ... 363
Graf, E. R. ... 59
Grant, David ... 36
Grass, Overfertilized ... 111
Gratian, J. Warren ... 390
Graue, Roberto ... 349
Gravimetric maps ... 366
Gravitational collapse, Pulsars ... 596
Gravity, Electric force ... 414
Gravity test, Satellite ... 543
Gravity waves, Pulsars ... 154
Gray, Irving ... 444
Grayston, J. Thomas ... 444
Green, Leon Jr. ... 619
Greenstein, Jesse L. ... 76
Gregory, B. P. ... 388
Gresser, Ion ... 341
Grieger, Gunter ... 438
Griem, Melvin L. ... 90
Griffiths, Martha ... 517
Grizzly bear, Ferocious ... 642
Grollman, Arthur P. ... 444
Grosse, Aristid V. ... 89
Ground water reservoir, Long Island ... 35
Grover, Frederick L. ... 550
Guest Observer Satellite 616
Guinier, Andre ... 298
Gulf of California ... 244
Gulf of Mexico, Oil ... 361
Gulf Stream, Meanders charted ... 138
Gulf Stream, PX-15 ... 54
Gun control, Editorial ... 5
Gun stabilization ... 498
Gunn, Ian ... 116
Gunn diode transmitter ... 117
Guppy, Manned submersible ... 83
Gurd, Fraser N. ... 135
Gurindji tribe ... 450
Gurtler, C. A. ... 162
Gyorgy, Andrew ... 283, 308

H

Haas, Albert ... 264
Habing, H. J. ... 465
Hahn, Otto ... 134
Hail suppression ... 262
Hakemi, Ali ... 15
Hall, Cargill, R. ... 600
Hall, John S. ... 339
Halothane, Reduces antibodies ... 473
Hamilton, Ralph ... 184
Hampton, Raymond E. ... 90
Han, Yong T. ... 473
Handler, Philip ... 412
Hanfmann, George M. A. ... 422
Hanks, James ... 503
Hansch, Corwin ... 391
Hansen, Clifford ... 360
Hansen's disease, Vaccine ... 260
Hanson, Alfred O. ... 139
Hare, Robert D. ... 160
Harker, David ... 298
Harley, John ... 236
Harlow, Harry F. ... 205
Harper, Thomas ... 282
Harris, Franklin S. Jr. ... 268
Harris, Louis ... 179
Harris, Stephen E. ... 182
Hart, Philip ... 494
Hartford, John A. ... 112
Hartley, Janet ... 463
Hauser, Philip M. ... 231, 267
Hawk, Harold W. ... 595
Haworth, Leland J. 33, 589
Headstart ... 108, 155, 436
Health research ... 105
Hearing aids, NBS data ... 360, 512
Hearn, Daniel P. ... 183
Heart attack, Hearing ... 641
Heart attack, Personality 544
Heart attack, Pressure suit ... 157
Heart attack, Seventh ... 231
Heart beats, Racing ... 135
Heart massager, Internal 236
Heart surgery ... 442
Heart transplants ... 57, 207, 260
Heart transplants, Registry ... 319, 641
Heart transplants vs. artificial hearts ... 385
Heat-resistant polymers ... 313
Heat exchanger, Turbine engine ... 618
Heath, Douglas H. ... 497
Heath, Robert G. ... 40
Heating, Nuclear ... 263
Heating asteroids ... 286
Heating system, Rockpile 137
Heawood, P. J. ... 89
Heilmeier, George H. ... 215, 322, 325, 462
Heizer, Robert ... 621
Helicopter mid-air warning ... 549
Helium 3 ion, Evidence 138
Hellegers, Andre E. ... 306
Hemophilia gene ... 119
Hemophelia test, Canine ... 571
Heneghan, James B. ... 442
Hens, Laying on tiptoes 282
Heparin, Bleeding risk ... 185
Heredity, Cytoplasmic components ... 556
Hernandez, Christian Felix ... 192
Hero, Oceanographic vessel ... 628
Heroin addicts, Methadone ... 621
Hess, H. H. ... 517
Hiemeyer, Volkar ... 597
High-energy colliding beams ... 42
High-energy gammas 568
High energy physics ... 29, 31
High energy politics ... 81
Higher education ... 77, 509
Highway hazard, Alcohol 84
Hijacking airlines ... 204
Hilal, Sadek K. ... 365
Himel, Chester M. ... 35
Hinshaw, David B. ... 112
Histone-4, Calf, Pea ... 522
Hodgkin's disease, BCNU ... 444
Hofferman, Mark ... 615
Hoffman, A. A. J. ... 217
Hoffman, Rudolf ... 94
Hoffman, William F. ... 644
Hoisting, Floatable ... 183
Holland, James F. ... 324
Holley, Robert W. ... 411
Holmes, John ... 263
Holographic stereography 159
Hologram storage ... 620
Holt-Hansen, Kristian ... 497
Homeostasis ... 493
Honda, Minoru ... 114
Hong Kong flu ... 284, 413, 444, 570, 639
Hoopingarner, Roger A. 520
Hoover, J. Edgar ... 340
Hornabrook, R. W. ... 261
Hornets, Depend on larvae ... 367
Hornig, Donald F. ... 7, 57, 77, 309, 387, 492, 530, 589
Horsfall, James ... 496
Hot-water heater, Instant 221
Hough, Richard R. ... 259
Housing, Low-cost ... 375
Hovercraft, Dual-purpose hull ... 598
Howell, F. Clark ... 524
Hoyle, Fred ... 213
Hoyt, J. W. ... 214
Hribar, Allan E. ... 619
Huang, J. C. ... 213
Huang, Kun-Yen ... 391
Hubble constant ... 114, 575
Huebner, Robert J. ... 463
Huguenin, G. R. ... 114
Hume, David M. ... 442
Hummel, James A. ... 335
Humphrey, Hubert H. ... 386, 477
Hunt, Graham R. ... 414
Hurricane seeding ... 153
Hyaline membrane, Artificial lung ... 109, 442
Hybrid dwarf wheat ... 19
Hydrairport ... 83
Hydraulic lubricant/sealant ... 221
Hydrazine thrusters, ATS-D ... 12
Hydrodynamic testing ... 214
Hydrogen cloud, Ultra-cold ... 414
Hydromagnetic waves ... 216
Hydroxyl, Dust cloud ... 167
Hydroxyl, Infrared stars 244
Hydroxyl monohydrate ... 344
Hydroxyl spectrum ... 162
Hyman, Herbert ... 179
Hynek, J. Allen ... 521
Hypersonic transport ... 340
Hypothermia, Blocks cell damage ... 184

I

IBP, India's Role ... 144
IMP satellite ... 217, 517
IUD, Antibacterial ... 595
IUD, Double coil ... 641
Ice crystal aggregation ... 268
Identical genes ... 555
Illinois accelerator ... 139
Immunosuppressive drugs, Cancer ... 319
Immunotherapy, ALG ... 132
Imuran, Toxic liver ... 57
Incubator, Auto heater ... 342
Incubator, Homemade ... 185
India, CSIR ... 558
India, Ramapithecus jaw 32
India, Thorium reserves 146
India, TV satellite ... 113
India, Wheat varieties ... 19
Indians, Arthritis, caries 135
Indium 113 ... 365, 620
Indocin, Side effects ... 310
Influenza, Hong Kong flu ... 284, 413, 444, 570, 639
Infrared photos, Hot water ... 165
Infrared reflectography ... 344
Infrared stars, Hydroxyl 244
Ingemann, Frances ... 521
Ingrao, Hector C. ... 182
Innoculations, Increased growth ... 84
Insecticides, Obsolete ... 520
Insomnia, Electrosleep ... 422
Insulin, Big and little ... 341
Intelsat, Global system ... 600
Intelsat ground station ... 390
Intelsat III ... 113, 259
Interference, Photons ... 366
Interferon, Cancer ... 341
Interferon, Intracellular ... 391
Interferon, Virus diseases 550
International classification ... 630
Interstellar dust clouds ... 149, 167
Interstellar field value ... 162
Interstellar ice grains ... 244
Intrauterine device ... 641
Intravenous feeding, Healing ... 443
Intravenous fluid, Burns 475
Invariance tested ... 161
Ioffe, B. L. ... 502
Ion beam accelerators ... 592
Ion etching, Blood cell ... 640
Iran, Caspian culture relics ... 1, 15
Irradiated bacon ... 107
Irradiation conveyor ... 183
Irreversible processes ... 467
Irrigation, Saline ... 208
Ismail, A. H. ... 641
Isolation, Monkeys ... 205
Isolation ward, Portable 445
Isotopes, Public sale ... 474
Istre, Clifton ... 61

J

Jacchia, Luigi G. ... 114
Jackson, William B. ... 348
James, Jesse ... 187
Jamieson, T. J. K. ... 90
Jansky, Karl G. ... 282
Japan, Nuclear planning 328
Japan, Ocean exploration 606
Japan, Proton synchrotron ... 506
Japan, R & D effort ... 272
Japan, Seabed minerals ... 643
Japan, Speedy trains ... 10
Japanese industrialists, Alaska ... 70
Japan's Ainu ... 602
Jasper, M. M. Herbert H. 264
Jaw, Earliest manlike ... 32
Jet backpack, Body control ... 343
Jet condenser ... 12
Jet landings, Jammed ... 131
Jhaver, P. S. ... 391
Jick, Hershel ... 185
Joblin, A. D. H. ... 111
Jodrell Bank radiotelescope ... 107
Johnson, Aran S. ... 236
Johnson, Avery ... 464
Johnson, Donald J. ... 571
Johnson, Francis S. ... 517
Johnson, Gerald G. Jr. ... 38
Johnson, Meryl ... 11
Johnson, Ralph J. ... 372
Johnson, Stuart ... 183
Johnson, T. H. Jr. ... 641
Johnson, Wilfred E. ... 164
Josephson, Edward S. ... 108
Josephson junctions, 2e/h ... 620
Jülich, Kernforschungsanlage 454
Jupiter, Fly by probe ... 203
Jupiter, Red spot ... 59, 162
Jupiter, Volcanics ... 574
Jupiter's moons, Temperatures ... 622

K

Kahn, Reuben L. ... 604
Kamegai, Toshihiko ... 184
Kane, Robert L. ... 112
Kantrowitz, Adrian ... 385
Kao, Vincent Chao Yang 642
Kappel, Frederick R. ... 245
Kardos, Louis T. ... 292
Kare, Morley ... 314
Kasha, Michael ... 614
Kasparian, Elaine ... 182
Kavanagh, Lawrence ... 217
Kayhoe, Donald E. ... 260
Kazimir, Donald J. ... 55
Keller, Joseph B. ... 620
Kelly, J. H. ... 453
Kennedy, B. J. ... 90
Kepler, Cameron B. ... 495
Kety, Seymour ... 40
Khorana, Har Gobind ... 411, 558
Kidney machines, Ingestible ... 540
Kidney operations, Implanted artery ... 14
Kidney transplants, Australia ... 90
Kidson, Malcolm A. ... 422
Kiesl, Wolfgang ... 421
Kirk, Grayson ... 134
Kissing disease, Children ... 413
Klebanoff, Gerald ... 177
Klein, Enrique J. ... 325
Klein, George ... 283
Klieger, Jack A. ... 522, 542
Kline, Nathan ... 465
Klobukowska, Ewa ... 312
Kluraz excavations 1, 15, 17
Knacke, R. F. ... 244
Knisely, Melvin H. ... 339
Knize, D. M. ... 475
Kohler, Ellen L. ... 552
Konikoff, J. J. ... 446
Kormondy, Edward ... 527
Kornfeld, Pnina ... 268
Kosa, John ... 267
Kozyrev, N. A. ... 97
Kraft, Siegfriedo ... 111
Kraushaar, William L. ... 568
Krippner, Stanley ... 84
Kristian, Jerome ... 82, 622
Kuhn, U.S. Grant III ... 157
Kuiper, Gerard P. ... 344
Kuirhara, Kenzo ... 367
Kukich, George ... 161
Kupperian, James E. Jr. 492
Kuru transmission ... 261
Kwashiorkor, Reversible 46

L

L-asparaginase ... 135
L-dopa ... 623
LES-5 ... 61
LM, Troubles ... 442
LM weight ... 569
Laboratory jacks ... 121
Laboratory wagon ... 221
Labware kit ... 121
Ladner, Joyce ... 394
Laird, Roy D. ... 283, 284
Lake Texcoco, Mexico ... 349
Lake Zurich, Biological vacuum ... 233
LaMacchia, J. T. ... 620
Lamb dip, Reversed ... 399
Lambert, William M. ... 625
Lane, James A. ... 263
Langenberg, D. N. ... 620
Langsley, Donald ... 133
Language test, Cross-cultural ... 422
Lanzerotti, L. J. ... 366
Lapp, Ralph ... 181, 589
Laser, Meteorological ... 519
Laser, School model ... 121
Laser beam, Molecules ... 138
Laser light, Variable ... 182
Laser precision, Greater 397
Laser rangefinder ... 498
Lasers, Fusion ... 137
Lasker, Mary ... 106
Laughing sickness ... 261
Lauritsen, C. C. ... 110
Lawrence, A. S. C. ... 321
Lead iodide, Seeding ... 262
Lead poisoning, Tests ... 236
Leaf growth, Measured ... 159
Leakey, Louis S. B. ... 32, 524
Leaky membrane theory ... 39
Leddicotte, G. W. ... 421
Lee, Philip R. ... 281, 551
Lee, Tsun-Dao ... 502
Lee, Wonyong ... 266
Leg brace, Plastic ... 264
Legler, John M. ... 495
Lerner, Edwin M. II ... 570
Leukemia, L-asparaginase ... 135
Leukemia virus ... 291, 626
Leukocyte cultures ... 319
Levenson, Alan ... 392
Levin, Wayne ... 157
Lewis, Michelie ... 640
Ley, Herbert L. Jr. ... 82, 311, 341, 642
Libby, Leona Marshall ... 244
Libby, Willard F. ... 492
Librium, Counteracts alcohol ... 312
Lidar ... 519
Lidocaine, Arrhythmia ... 232
Lieberman, James ... 133, 412
Liebhaber, Harvey ... 444
Lieske, Jay H. ... 474
Life, Oldest forms ... 282
Life chemicals, Meteoritic source ... 59
Life expectancy, Smokers ... 34
Lifting body HL-10 ... 573
Light, Carbon arc ... 285
Light, Moving body ... 213
Light scattering microorganisms ... 543
Lightning, Charge transfer ... 366
Lightning, Spectrum of 620
Lilly, Frank ... 319
Lincocin ... 571
Limbic lobe ... 91
Lindan, Olgierd ... 540
Lindane-contaminated water ... 292
Lindesmith, Alfred R. ... 392
Link, Edwin A. ... 240
Linsky, Jeffrey L. ... 182
Linton, Ron M. ... 281
Liquid crystals 215, 320, 321, 323
Liquid dispenser ... 221
Liquid Films, Boundary 616
Liquid helium ... 161
Liquid metals, Like solids ... 89
Liquid pillars in water ... 89
Lithium chloride ... 430
Lithium-chlorine battery 214
Lithium niobate crystal ... 182, 620
Liu, Tienszu ... 136
Livestock, Local feeds ... 111
Livingston, Samuel ... 572
Localization phenomenon 605
Lock, Ferroelectric ceramics ... 368
Locust plague, East Africa ... 367
Long Island, Ground water ... 35
Longabaugh, Richard ... 625
Love, G. J. ... 348
Lovell, (Sir) Bernard ... 107
Lovell, James ... 409, 442
Low, Frank J. ... 644
Lower, Richard R. ... 57, 442
Lown, Bernard ... 232
Lukianoff, G. V. ... 215, 325
Luna landings ... 569
Lunar module, Flight delayed ... 206
Lunar surveillance ... 521
Lunar vehicle control ... 343
Lung cancer, Uranium miners ... 638
Lung cancer mortality ... 112
Lybarger, Samuel ... 360
Lymphocytes ... 132
Lynch, G. P. ... 520

Mc

McCartan, John ... 439
McCleery, Robert S. ... 310
McClelland, John C. ... 80, 187
McCrosky, Richard E. ... 114
McDivitt, James ... 442
MacDonald, Gordon J. F. ... 202, 344
McDowell, Fletcher ... 623
Macfarland, Harold ... 504
McGovern, J. J. ... 263
Mackenzie, Allen H. ... 185
Maclean, Paul ... 91
McNamara, Robert S. ... 180
McVittie, George C. ... 8

M

MIRV ... 180
MK-665, Long-term tests 62
MSV, Leukemia virus ... 463
Macromolecule, Water ... 615
Magic numbers, Shell model ... 592
Magnesium oxide sand ... 549

Magnetic catheter 365
Magnetic energy losses 389
Magnetic field, Interstellar 59, 162
Magnetic field instrument 169
Magnetic materials 59
Magnetic scattering, Niobium oxide 286
Magnetic storm, Cosmic rays 596
Magnetometer, Detects guns 204
Magnetosphere 216, 366, 517
Magnuson, Warren G. 34, 204
Mahdu, Tumkur 264
Mallen, (Sir) Leonard 177
Malnutrition, Brain damage early 160
Malone, Thomas F. 344
Malpractice, Diet pills 494
Malpractice lawsuits 207
Mammals, Timetable 621
Manganese nodules, Green Bay 476
Mansinha, Ialatencba 320
Map, Four colors 89, 334
Mare Occultum 622
Margolis, Bernard 108
Maria, Dielectric constant 213
Marijuana, Effects in monkeys 37
Marijuana, Vietnam 621
Marine technology 83
Mariner, Mars 1971 518
Mariner 5 trajectory 180
Markham, Charles 623
Marks, Alvin M. 215
Markush, Robert E. 550
Mars, Iron core 622
Marshak, R. E. 500
Marshall, Thurgood 441
Marston, Robert Q. 105
Marsupial species 170
Martin, William E. 581
Mascons, Lunar 205
Mason, Basil J. 480
Mast crop failure 360
Mathematical sciences, NAS report 574
Matriarchy, Negro 393
Matthews, Thomas A. 82, 344
Matzinger, Dale F. 291
Maxwell, Jewell C. 440, 616
Maxwell's spinning top 612
Mayan road, Yucatan 160
Mayes, Philip 392
Mayson, Preston B. Jr. 90
Mead, Margaret 7, 235, 411
Meat, DDT residue 337
Medawar, Peter 376
Medical lexicography 342
Medical workers, U.S.S.R. 207
Meitner, Lise 134
Meltzer, D. W. 363
Memory, Ferro-acoustic 390
Menard, H. W. 244
Mensa Society 336, 384
Mental health center, Philadelphia 369
Mental health center, Temple 345
Mental health centers, Manpower 392
Mental illness, Genetic link 465
Mental patients, Home effect 84, 133, 160
Metabolism, Drug reaction 551
Metal-forming process 214
Metal structure analysis 137
Metcalf, Harold 138
Meteorite, Cosmic ray tracks 596
Meteorites, Adenine and guanine 59
Meteorites, Assay of elements 421
Meteor spectra, Iron-nickle 114
Meteoroids, Near moon 162
Meteors, Meteoroids 427
Meteors, Physical properties 114
Methadone, Endorsed 621
Methane detector 567
Methane-grown diamonds 214
Metric study, Congress 10
Metric system, Editorial 53
Metric system, Letters 4, 18, 21
Mexican anti-quake research 401
Mexican photogrammetric survey 519
Mexico, Herbalists 192
Mexico, New town 37
Mexico City, Lake Texcoco 349
Mexico City, Rabies 658
Meyer, Alex 599
Meyer, J. F. 446
Mezei, Leslie 60
Mice, X-ray exposure 291
Michelson-Morley experiment 397
Microbiological research, Britain 122
Microcapsules, Ingestible 540
Microfossils, Onverwacht 282
Microorganisms, Identificdtion 543
Microtron specifications 139
Microwave communication, Tunnels 496
Microwave radiation 644
Microwaves, Kidneys 184
Miessner, Benjamin F. 128, 130, 305
Military research 498
Milky Way, Magnetic field 283
Milky Way center 644
Miller, Arthur J. 263
Miller, George P. 33, 58, 77
Miller, S. M. 267
Mine safety devices 567
Mine shafts, Hailstones 268
Mineral analyzer, Portable X-ray 243
Mines, Deeper 598
Mini-subs, Small 643
Miracle fruit protein 367
Missouri River Basin, Computed 35
Mitochondrial DNA 556
Molecular astronomy 168
Molecular distortion, Electric field 161
Moment, Gairdner B. 642
Mongoloidism, Home care 264
Mongoloids, 5-HTP 62
Monkey, Electrical stimulation 91
Monkeys, Pigtail macaque 93
Monod, Jacques 557
Mononucleosis 413
Monroney, Mike 245
Montagu, Ashley 523
Moon, Far side 622
Moon, Hot interior 414
Moon, Mass concentrations 205
Moon Blink program 97
Moon buggy, Solar-cell-powered 390
Moon race 569
Moon relief map, Astronaut's 498
Moore, Arthur D. 35
Moore, J. Robert 476
Moore, Keith L. 312
Morachevski, V. G. 480
Morgan, Karl Z. 638
Morgan, Walter C. 111
Morrill, Philip 11
Morse, Richard 504
Moses, Campbell 231
Moskowitz, Arthur 158
Mosquito attractants 495
Mosquito coil, Lung cancer 135
Moths, Antenna spines 244
Motor activity, Control 264
Mt. Stromlo's 74-inch telescope 576
Mouse fetuses 591
Mouse leukemia, Cured 626
Movies, Psychiatric analysis 84
Movies in 3-D 445
Moynihan, Daniel 393
Mudd, A. J. 111
Muller, P. M. 205
Mulligan, James A. 292
Mumps vaccine, Fetus 550
Multiphasic screening, British reaction 413
Murder trial, Activation analysis 421
Murayama, Makio 640
Murohashi, Toyoho 260
Murray, Joseph E. 90
Muscle, High-fat diet 642
Muscle tone, 5-HTP 62
Muskie, Edmund S. 166
Mussel, Resists freezing 184
Mussel life cycle 495
Mutant virus 291
Mutation theory 291
Mutton odor, Diet 111
Muxfeldt, Hans H. 314
Myelin, Alcoholics 473
Myers, Robert D. 37
Myocardiopathy 569

N

NMR spectrometer, Regional 38
NP-0532 592
Nabeshima, Naotsugu 328
Nagy, Bartholomew 282
Nairn, R. C. 22
Naismith, Donald P. 619
Narcotics Bureau statistics 392
National Academy of Sciences 412
National aviation center 343
National Science Foundation 33
Nebula Rosette 168
Neck artery, Repair 475
Nees, Paul 428
Negative ion, Isolated 344
Negative tax, Poor 497
Negrin, Juan Jr. 264
Negro family 393
Neiburger, Morris 480
Nelson, Gaylord A. 338, 567
Nelson, L. N. 366
NeoBarine 494
Neon-oxygen, Space breathing 343
Neptune, Diameter 182
Neptune, Orbit of 516
Nerve cells, Convert DC to AC pulses 314
Nerve gas, Antidote 62
Nerve gas detector 498
Nerves, Free radicals 56
Nesbitt, E. A. 59
Ness, Norman F. 217
Nesting, Deafened hens 292
Neuberger, Maurine 497
Neurosis, Aborigines 422
Neutrino, Tracking 63
Neutrino astronomy 63
Neutrino detection chart 65
Neutron activation analysis 421, 553
Neutron beam, Diagnostic 365
Neutron stars 363, 592
Neville, Pat F. 391
Newsprint, Steaks 218
Newts, Sense of smell 36
Nicolai, J. H. 136
Nicolaus, Martin 231
Nicotine content, Tobacco 291
Nilsson, S. G. 592
Nirenberg, Marshall W. 411, 557
Nitride fuel, Test 549
Nitrogen, Assimilated 341
Nitrogen fixation 161
Nixon, Richard M. 386, 477, 492, 589
Nobel Prizes, Medicine 411
Nobel Prizes, Physics & chemistry 467
Noise control, Recommendations 541
Noise control, Submarines 80
Noise effects, Gas flow 619
Noise effects, Hearing 61
Noise effects, Sleep 37
Noise machine, Office building 11
Noren, George 550
Norins, Leslie C. 413
Norman, John C. 442
Norris, K. R. 36
Norton, Dorita 298
Nuclear blasting, Shale 549
Nuclear energy centers 263
Nuclear heating system 263
Nuclear magnetic resonance 38
Nuclear plant costs 263
Nuclear power, Hot water discharge 165, 166
Nuclear power, India 146
Nuclear power, Japan 328
Nuclear power, Uranium use 310
Nuclear submarines, Quiet 79
Nuclear waste, Heat source 619
Numerical model, Clouds 268, 480
Numerical relations, Quasars 622
Nutmeg grater, Electrode 597
Nutsedge 208
Nyswander, Marie 621

O

OAO-A2 616
OAO projects 491
OV-10A Bronco 158
OV-116, Densest satellite 113
Obesity, Research 135
Obesity drugs 494
Ocean bottom, Deep holes 143
Ocean bottom, Photographed 493
Ocean bottom, Salvaging 242
Ocean buoy test 158
Ocean exploration, Japan 606
Ocean floor prospecting, Japan 643
Ocean gyres, Crops 83
Ocean research, Eastward 643
Ocean wave study 496
Oceanographic research, Shallow water 83
Oceanographic ship Hero 629
O'Connell, R. F. 213
O'Connor, James T. 136
Octane ratings 368
Odor molecules, Screening 314
Office of Economic Opportunity 80
Office of Science and Technology 589
Ogilvie, Vernon 423
Oil from coal 594
Oil pollution, Floating scoop 208
Okubo, Susumu 502
O'Leary, Brian T. 622
Olin, Jacqueline 552
Oliver, Howard W. 366
Olmec pyramid 621
Olympics, Sex test 312
Omnitron 592
O'Neill, Russell R. 544
Onsager, Lars 467
Oppenheimer, Robert 589
Oral cancer, Smokers 572
Orang habits 142
Orbiting Astronomical Observatory 491, 616
Orbiting telescopes 189
Orbiting telescopes, Russian 162
Organ bank, Tissue typed 641
Organ transplant, Deterioration 260
Orville, Richard E. 620
Osborn, James 640
Osmond, Humphrey 5
Overkill, Balanced 181
Ovshinsky, Stanford R. 518
Owen, Thomas B. 643
Oxygen, Singlet excited state 614
Ozawa, Hisanojo 10
Ozernoy, L. M. 344

P

PGC-588, Binary object 644
PX-15, Ocean current study 54
Packer, Leo S. 245
Page, John G. 551
Paine, Thomas O. 311, 338
Paint, Fire retardant 121
Paintings, Infrared probe 344
Paintings, Renaissance 11
Pair production, Spontaneous 213
Palmberg, P. W. 286
Palmeira, R. A. R. 596
Palmer Station, Antarctic 628
Palomar Sky Survey 182
Panama, Intelsat 390
Pankey, Titus Jr. 389
Pannella, Giorgio 643
Panofsky, Wolfgang K. H. 31, 44, 152
Pan-Slavic movement 284
Papago creator 76
Parasitic tree 642
Park, John H. 550
Parks, Paul B. 365
Parity reversal, Dr. Teller 265
Parker, W. H. 620
Parkinsonism, L-dopa 623
Parrots, Puerto Rican 495
Parry, Hugh J. 422
Parsons, Donald F. 299
Particles, Mu, U and W 161
Pasteurizing feed 136
Patent laws, International 630
Patolichev, N. S. 482
Patterson, P. L. 138
Paul, Wolfgang 31
Pauli, Wolfgang 64
Pauling, Linus 6, 89
Pauling, Peter J. 89
Pavot, Alfred 264
Peaceful uses, Outer space 599
Pechman, Joseph 58
Pekar, Solomon 430
Penicillin, Totally synthetic 62
Penn, Israel 319
Pennell, Robert B. 39
Pennsylvania Hospital, Hahnemann 370
Penthrane, Osmosis 493
Pentobarbital, Heartbeat fetus 473
Perrson, Lars 31
Perry, David 215
Perry, Ray 220
Personality, Cholesterol link 544
Personnel cuts, Ph.D.'s 363
Peruvoside 306
Pesticide residues 338
Pesticides, Aerosol droplets 35
Peterle, Tony J. 571
Peterson, Melvin 145
Peterson, Raymond D. A. 641
Pethica, Brian 616
Pfleegor, R. L. 366
Phenobarbital, Effect on pill 157
Phoebus 2A reactor 60
Phosphors, Check hull design 11
Photomultiplier, Improved 496
Physicians, Choose city 352
Physicists, Public policy 82
Piccard, Jacques 54
Pierce, William S. 185
Pike, Otis G. 134
Pinta, Venereal immunity 157
Pioneers, Interplanetary 343
Pintails, Breeding decline 270
Pipes, Reaming and facing 183
Plague, Denver girl 112
Planetary astronomy 339
Planetary exploration, Unmanned 202
Plant breeding 391
Plasma confinement, Straight 438
Plasma sheath, Measuring 448
Plasma vibrations 217
Plasterzote 342
Plastic, Acrylic 83
Plastic brace 264
Platelets, Dextran 443
Plimpton, S. J. 596
Pluronic F68 550
Pluto, Mass calculated 516
Plutonium fires, Extinguish 549
Pneumococcal bacteria 570
Pneumonia vaccine 570
Podzimek, Josef 268
Polar wind 320
Police pursuit, Dangerous speeds 14
Polio vaccination, Nicaragua 185
Polis, B. David 56
Polls, Political 179
Pollution, Health effects 504
Pollution-free town 619
Polypeptides, Benzene side chains 215
Ponsonby, J. E. B. 465
Poor families, Negative tax 497
Pope Paul's encyclical 134, 460
Porpoise, Sealab III's 240
Port Royal, Excavated 392
Portholes, Research subs 619
Poseidon missile 180
Positron beam 152
Post Office mechanization 245
Poston, R. F. 164
Potchen, E. James 365
Potholes, Evaporating 269
Poultry flavor 595
Poynter, R. L. 162
Prefabs, On-site mobile factory 375
Pregnancy, Estrogen treatment 136
Pregnancy, Vitamin B-6 542
Preschool education, New 155
Presidential assassins 621
Presidential candidates 457, 477
President's science adviser 309, 589
President's social advisers 231
Preston, Jack 313
Pride, Inc. 187
Primeval blackbody 414, 543
Prince, Jorge 400
Prisk, Bert 236
Progesterone, Pregnant cows 136
Progestogen therapy, Metastases 90
Project BOMEX 476
Project Sea Use 293
Project Stormfury 153
Propulsion, Fluidic 83
Protein, Bone-building 522
Protein concentrate 476
Protein shortage, Steaks 218
Protein synthesis, PEPCK 444
Proton magnetometers, Camelot 544
Proton probes 573
Protons, High energy 162
Protons, Magnetosphere 366

Przybylowicz, E. P. 421
Psychiatry, "Our Place" 345
Psychopaths, Dysfunction 160
Puerto Rican reactor 60
Pulp mill, Nuclear power 263
Pulsar CP-950 156
Pulsar CP 0328 465
Pulsar CP-0950 574
Pulsar, HP 1506 114
Pulsar NP 0532 574
Pulsar, Subdwarf star 213
Pulsar scintillations 389
Pulsar X-ray signals 363
Pulsars, Clustering 592
Pulsars, Gravity wave 154
Pulsars, Interstellar magnetic field 59
Pulsars, Light from 622
Pulsars, Radio signals 362
Pulsars, Rotation 596
Pulsars, Sporadic 521
Pulsating universe 576
Putnam, P. A. 219
Puzanov, V. I. 38
Pyramid, Oldest New World 621
Pyridoxine 542

Q

Quantum electrodynamics 44
Quarks, Cosmic ray 244
Quarks, Quasars 213
Quasar 3C-287 82, 344
Quasars, Controversy 82
Quasars, Distance 82, 286, 622
Quasars, Quarks 213
Quasars, Red shift 554
Quintanilla, Juan 658

R

RAE-A 188
RAM nosecones 448
RB-211 turbofan 61
RNA, Interferon 550
RNA solution, Immunosuppressive 112
Rabbit power, Transmitter 446
Rabbits, Fever 444
Rabies, Mexico 658
Rabies, Red fox 68
Rabies vaccine, Guidelines 136
Race relations, South 392
Racehorses, Cortisone 136
Radar altimeter, Mapping forest 60
Radar pictures, Thunderstorms 396
Radiation, Residual 543
Radiation, Sex differences 549
Radiation-excited oxygen 614
Radiation therapy, Oxygen 615
Radiation protection 365, 441, 498
Radio satellite, RAE-A 188, 616
Radio spectrum, Saturation 106
Radio telescope, Green Bank 283
Radio wave, Decrease in frequency 156
Radio waves, Sporadic 521
Radioactive jewelry, Cancer 236
Radiogold, Injected 365
Radiotelescope, 250-foot 107
Radon decay, Danger 638
Raimond, Ernst 244
Raindrops, Research 480
Rainey, Froelich G. 637
Rainfall, Prairie ducks 270
Rainmaking, Asphalt 313
Rainmaking tracer 620
Rainwater, Lee 394
Ram, Atma 558
Ramalingaswami, Vulimiri 46
Ramapithecus jaw bone 32
Ramaty, Reuven 568
Ramirez, J. Emilio 643
Ramsey, Paul 120, 254, 258, 305
Rank, David M. 639
Rapid transit, Japan 10
Rat-free town 348
Rawalt, Marguerite 517
Reactor concepts 98
Reactor fuel U-Pu-N 549
Recovery, Submerged rockets 343
Red fox, Hydrophobia virus 49, 68
Red shift, Quarks 213
Red shift anomaly 554
Reel gauge, Tapes 121
Reemtsma, Keith 385
Regression analysis, Drugs 391
Reines, Frederick 64
Religion, Medical career choices 267
Remington, Richard 623
Remote handling tools 169
Renaissance painting techniques 11
Re-entry blackout 447
Replogle, Robert L. 442
Research, Australia 530
Research, Congress 57, 309
Research, French 590
Research, Growth rate 7
Research, Japan 272
Research, NIH 105
Research, University-based 77
Research funds, NSF 34
Research submarines 643
Research vs. teaching 526
Researcher, 81-year-old 604
Resnekov, Leon 641
Resonances, Sub-atomic 468
Retzer, Howard E. 134
Revelle, Roger 503
Reynolds, Vernon 142
Rhesus monkey, Isolation 205
Rho meson production 44
Richardson, P. D. 622
Rickover, Hyman G. 79
Riegel, Kurt W. 414
Rietze, Harry R. 13
Rigello bottle 159
Ringel, Gerhard 89
Riot ruling, Challenged 497
Risley, H. B. 136
Rivers, L. Mendel 79
Rivers of Europe 233
Rizzie, Guido 185
Roberts, Joseph 135
Robins, C. Richard 423
Robles, Clement 236
Rockets, Sonic vibrations 619
Rocks, Home heating 137
Rogers, Charles M. 205
Rogers, Thomas F. 372
Roper, Burns W. 179
Rosenberg, Edgar N. 183
Rosenheim, (Sir) Max 413
Rossi, Peter 231
Roswit, Bernard 112
Roth, Jesse 341
Rotman, Walter 449
Rourke, James A. 185
Rouse, George 144
Rouse, Milford 9
Rowe, Arthur W. 184
Rubber tanks, Sewage 115
Rubinoff, Ira 579
Ruby lasers, Energy decay 521
Rudd, Mark 340
Rumbaugh, Duane 142
Ruminants, Protein-producing 218
Runways, Fast-fix cement 12
Runways, Warning system 285
Russian moon plans 466
Rutherford Laboratory 542
Rutstein, David 493

S

SPS engine 613
SST, Fixed wing 340
SST, Multiplexing 12
SST overland 37, 616
STOL aircraft, Airlines 229
STOLport 230, 390
Sadeh, Dror 156, 574
Saf-T-Coil 641
Sagan, Carl 622
Sakurai, J. J. 501
Salvarelidse, L. A. 352
Salmon, Computer study 13
Sand grouse 595
Sandage, Allan 114, 575
Sandfaer, Jens 36
Sandson, Gerald 411
Sardis, Croesus gold 422
Satellite, Equator orbit 573
Satellite, Gyroscopic 543
Satellites, General relativity 389
Saturn 1B booster 387
Saturn 5 613
Sauvy, Alfred 134
Savarese, Charles J. 494
Scanning, Indium 113m 365
Schaffner, Carl P. 341
Schaller, George B. 140
Scheckel, Carl L. 37
Scherbel, Arthur L. 185
Scherle, William 133
Schirra, Walter M. 387, 409
Schizophrenic, Home treatment 133
Schizophrenic, Leaky membrane 39
Schlee, John 516
Schlesinger, H. L. 421
Schmidt, Carl F. 56
Schneider, William 409
School children, Race relations 392
Schual, Freddy 339
Schultern, Rudolf 454
Schultz, Claud 266
Schultze, Charles L. 57, 58, 590
Schwachman, Harry 236
Schwartz, Charles 82
Schwartz, Kenneth 286
Science, Campaign issue 386
Science, Federal Department 309
Science, India 558
Science, Politics 457, 477
Science, Presidential candidates 477
Science advisers, State Dept. 344
Science budget, Town Meeting 6
Science funds, Post-Vietnam 57
Scientific manpower, Government cuts 364
Scientific meetings, Activists 464
Scientific papers, Shorter 464
Scientists, Critical mass 412
Scientists, Teaching 526
Sco X-1, X-ray Source 59
Scopes, John T. 440
Scorpion debris 493
Scott, Edward M. 291
Scott, Joseph 395
Screwworm, Increase 520
Scyllac 439
Sea otters, Amchitka 479
Seaborg, Glenn T. 311, 593
Sea-bottom combines 606
Sealab III 240
Sea-level canal, Ecology 580
Seamount study 293
Seat belts, Accident morbidity 475
Seatback, Whiplash injuries 214
Seed, 550-year-old 367
Seegmiller, J. Edwin 291
Segovia Pinto, Victor 160
Seiden, Richard H. 392
Seidl, F. G. P. 644
Seigel, Daniel E. 550
Seismic test, Navy 8
Seitz, Frederick 58, 412
Sellers, Walter M. 571
Sensory starvation 235
Serotonin depletion 37
Serotonin source, Toad venom 425
Serpukhov, Particle physics 500
Serum for all venoms 597
Seshadri, T. R. 308
Sever, John L. 641
Sewage filters, Crops 292
Sewage processing, Recycle 263
Sewage storage, Rubber tanks 115
Sex, Athletes 312
Sex discrimination 517
Sex education, Teacher problems 411
Sex-linked disease 119, 291
Sexton, William P. 235
Shale, Nuclear excavation 549
Shalloway, A. M. 283
Shannon, James A. 105
Shashoua, Victor E. 314
Shen, Mei-Chang 620
Sheep shearing drug 520
Shellac thinner, Deaths 112
Sherman, William B. 163
Shinde, Anna Saheb 19
Shipboard digital computer 285
Shipley, Wayne V. 136
Ships, Braking 285
Shira, Robert B. 572
Shirkey, Harry C. 494
Shivanandan, Kandiah 543

GRAPHIC SPEED FILE

How To Eliminate Time Gaps

You store material easier and find things faster. Strong corrugated box type drawers give flat storage. Hinge lids insure extra protection. Use outside cabinet. Save transfer time -- store & add replacements. Come in 8 sizes, use in any sequence. Drawers also in steel.

From $39.90

FREE 24 Page BOOKLET F2 Mailed Without Obligation

GRAPHIC SYSTEMS, Box 398, Yanceyville, N.C.

Doctors Trim 2 Inches Off Flabby Waists!

German doctors at the famous Max-Planck Institute have discovered an instant-workout method that can reduce waistlines in 30 days. Called "Isometric Contractions," one 60-second daily workout can reduce waistline fast. 10 simple exercises can put the whole family in shape fast. No sweat, strain or tiring repetitions. Acclaimed internationally by physiologists, coaches, athletes. Results guaranteed. Free, illustrated information. Write AWARD-WINNING ISOMETRICS, 37 Centuck Station, Yonkers, N. Y. 10710.

WATCH RUST DISAPPEAR

NAVAL JELLY is an extremely active new cleaner that removes rust by chemical combination . . . sticks to verticals and overheads. Brush it on, hose it off. Also removes rust stains from concrete, tile, etc.

Use on pipes, fences, tools, tanks, cranes, trucks, all machinery. Eliminates sandblasting, scraping, etc. Easy and quick.

☐ 40# @ .65/lb. $26
☐ 10# @ 1.50/lb. $15
☐ 4# @ 2.00/lb. $ 8

#4 postpaid—other units FOB Kansas City

MEREDITH SEPARATOR CO.
Dept. YSN-11
310 West 9th St., Kansas City, Mo. 64105

EXCITING - NEW

CARNIVOROUS PLANTS CATCH LIVE INSECTS

Fascinating botanical wonders lure, catch, eat live insects. Easily grown for classrooms, science fairs, home projects.

* **WINDOWSILL SET**—12 Venus's Fly Trap bulbs, 5 x 5 x 4-inch windowsill greenhouse, moss, culture directions, $5 ppd. 12 bulbs only $4.
* **BEGINNER'S SET**—4 Fly Trap bulbs, 1 Purple Pitcher Plant, 1 Huntsman's Horn, all insect-eating, $4 ppd.

Germination guaranteed. Classroom sets, collections available from illustrated brochure of science oddities, 25¢.

PLANT ODDITIES

World's Largest Carnivorous Plant Specialists
Box 127 D Basking Ridge, N.J. 07920

Shkhyatsabaya, Igor 207
Shklovsky, I. S. 313, 282
Shnider, Sol M. 473
Shock, Diet protects 135
Shoji, Masakazu 116
Short, James F. 388
Shumway, Norman E. 442, 569
Sickle cell, Ion etching 640
Sides, Joseph 144
Sikes, R. K. 68
Silva, J. Andrade 366
Silver paint, High temperature 169
Silver sulfadiazine 14
Silverman, Milton 311
Simon, Ralph E. 496
Simons, Elwyn L. 32
Simpson, John A. 568
Sims, Theo E. 447
Singlet excited oxygen 615
Siska, Karol 207
Sjogren, W. L. 205
Skeletons, Early Indian 135
Skid warning system 243
Skin grafts, Cancer 350
Skipper, Howard E. 626
Sky atlas, 1,870 photographs 182
Sky-car model 10
Skyservant 229
Slaframine 62
Sleep, Low noise levels 37
Slum rehabilitation, Fast 372
Small, Donald M. 320
Smells, Primary 314
Smith, Dale 13
Smith, Emil 522
Smith, F. G. 162
Smith, Frederick E. 292
Smith, Gordon 122
Smith, Harry 122
Smith, Kenneth W. 136
Smith, T. Scott 162
Smog, Salt Lake City 281
Smoking, Coronary disease 34
Smoking, Releases serotonin 14
Snake venom, Antivenins 597
Snakes, Marine 579
Snare, Robert 216
Snoey, M. R. 83
Snyder, Walter 638
Social engineering 267
Social order, Emerging 80
Social programs, Economics 267
Social science, Federal 231
Social scientists, Violence 388
Sociologists, Chicago 267
Sociologists, Public policy 231
Sodium electrode 169
Sodium nitrate, Cigarettes 36, 305
Soil insects, DDT 642
Soil samples, Forensics 421
Solar activity maximum 89
Solar chromosphere, Calcium 182
Solar flare, X-rays 156
Solar infrared spectrum 344
Solar neutrinos, Search 63
Solar probe 517
Solar simulator, Carbon arc 285
Solar system, Heating process 286
Solar telescope, Portable 344
Solar wind, Magnetopause 217
Solar wind, Venus 474
Sonar, Passive 80
Sonic boom report 616
Sonic booms, Cathedrals 390
Sonic booms, NAS study 37
Sonic booms, Seismic waves 521
Sonicar 619
Sonnett, C. P. 286
Sorghum mash 111
Soulard study 394, 395
Sounding rockets, Canada 521
Sounding rockets, Danish-U.S. 222
Soundproofing, Employes complain 11
Southern sky, Observations 575
Soyuz 3 467
Space atmospheres, Neon-oxygen 343
Space communications blackout 447
Space food 94
Space glider HL-10 573
Space law 599
Space monkeys 93
Space observatory, First 492
Space plastics, Fire-retardant 113
Space Science Board 182, 202, 517
Space suit, Fiberglass 343
Space suit, Heart patients 157
Space treaty, Peaceful uses 598
Space windows, Flexible 573
Spacecraft docking 467
Spacecraft tumbling 446
Spain, Leaving CERN 541
Spangler, Steven Randall 308
Sparks, Robert 540
Sparta, Programming computers 60
Spastics, Boiling water 264
Speaker's sex, Fricatives 521
Species, Atlantic and Pacific 579
Species, Overprotection 292
Speck, Richard F. 410
Spectrum engineering 107
Sperm cells, Capacitated 591
Spiegelman, Sol 291
Spiewak, Irving 263
Spill control plans 595
Spiral galaxy, Companions 474
Sports, Medical teams 572
Spring, Advances northward 13
Sproat, W. H. 596
Squirrels, Swimming 359
Srivastava, Jitendra 20
Stachiw, J. D. 619
Stafford, Thomas P. 569
Star formation 414
Stars 96, 190, 426, 528, 649
Starzl, Thomas 319
Stauning, Peter 222
Steady state theory 575
Steblay, Raymond W. 319
Steckel, Richard J. 365
Stecker, F. W. 414
Steel furnaces, Nuclear 328
Steelmaking, Ingots eliminated 137
Steiner, Bruce 344
Stellar collisions 644
Stenuit, Robert 240
Sterilization, Temporary 391
Stevenson, Explosives test 8
Stewart, Peter 640
Stewart, William 360, 570, 639
Stickley, Martin 521
Stimson, Cyrus W. 264
Stimson, Paul 515
Stoltenberg, Gerhard 320
Stone, H. Harlan 475
Stone, Robert 189
Stone-Age people, Australia 452
Storage ring, Novosibirsk 25, 42, 44
Stott, Roy 638
Stottmeier, K. D. 597
Strain, William H. 549
Strand, K. A. 191
Stratoscope II 188
Strauss, Lewis L. 386
Streptokinase, Clots 597
Streib, Gordon F. 267
Structure constant, Hyperfine 138
Student demonstrations 340
Student grants, Riots 133
Students, Today's 497
Studier, Martin H. 59
Stuetzer, Otmar 368
Stump pain, Amputees' 264
Submarine Scorpion 515, 612
Submarine Triton 79
Submersibles, Manned 83
Substructure searching 313
Sudarshan, E. G. 501
Sugar substitutes, FDA 428
Sugerman, Jules 155
Suicides, San Francisco 392
Sulakvelidze, G. K. 262
Sulfur dioxide analyzer 121
Sulfur oxides control 281, 503
Sumner, Charles 78
Sumner, William Graham 10, 78
Sundaralingam, Muttaiya 299
Sundquist, James L. 591
Sun's brightness temperature 644
Superfluids, Currents decay 161
Supernovae 114, 592
Supersonic airliner, Fixed wing 340
Supersonic designs 440
Supersonic jet nozzles 390
Supersonic flight, Overland 617
Surgery, Small animals 136
Surgical drapes, Plastic 443
Sutherland, (Sir) Gordon 582
Sutherland, Paul R. 83
Sutton, Carl H. 184
Swaminathan, M. S. 19
Swan, J. M. 22
Swann, Michael 582
Sweeney, R. A. 292
Sweet, William H. 92
Swiatecki, W. J. 593
Swift, Ward 293
Swihart, John M. 440
Sybaris 637
Symmetrel, Hong Kong Flu 444
Symmetries, Imbalances 265
Symmetries, Test variance 161
Symmons, Philip M. 367
Synchrotron, Serpukhov 500
Syphilis, Mississippi 362, 460
Syphilis, Pinta vaccine 157

T

Tachyons 543
Tactical transmission system 61
Talbott, John A. 621
Tanks, Lasers spot 498
Tantalum, Radiology 443
Tape, Gerald F. 29, 31, 81
Taraxein, Effects in brain areas 40
Target practice, Paper 158
Taste, Sour to sweet 367
Taurus-A experiment 156
Taylor, Abraham 286
Taylor, B. N. 620
Taylor, Gordon E. 182
Taylor, Robert L. 621
Teaching, No faculty flight 526
Teal, Pothole 269
Technological exchange, East-West 482
Technologists, British industry 582
Tegretol 62
Telescope, Stromlo 576
Telescope, Southern Hemisphere 339, 340
Teller and Anti-Teller 265
Teller, Edward 386
Temperature, U.S. record low 208
Temperature computer 221
Temperature indicator 121
Temple, Milieu therapy 345
Terramycin, Synthetic 314
Terrell, J. H. 36
Terrell, James 286
Terrell, John 137
Terrill, James G. Jr. 90
Thackeray, A. D. 114
Thermal mapping, Liquid crystals 215
Thermal pollution 165, 336
Thermal pollution, Alligator 495
Thermoelectric cooling 80
Thiessen, G. J. 37
Thin-film switch 518
Thiopental, Brain lesions 473
Thomas, Richard E. 113
Thompson, Jeremy H. 14
Thompson, Philip Duncan 268
Thompson, Stanley 593
Thorne, Kip 213, 363
Thyrotoxicosis 494
Tic douloureux, Drugs 62
Tilapia 425
Tilt-rotor, Aero-elasticity 12
Tires, Using discarded 598
Tissue immunity, Radiation 605
Tissue survival, Cancer graft 350
Tissue typing 319, 641
Titanium oxide, Holes 286
Tobacco, AMA studies 14
Tobacco, Health effects 90
Tobacco plant, High-nicotine 291
Tobin, James 591
Todd, Clement 268
Toe transplant 157
Tompkins, Paul 638
Tornado, Detected by radar 396
Tovee, E. Bruce 475
Town, Unpolluted 619
Townes, Charles H. 639
Townsend, Marjorie 189
Toxemia of pregnancy 522
Toye, Trevor Cyril 89
Trace elements, Meteoritic 421
Trace substances, Assay 421
Traffic, Computer controls 598
Tranquilized women 422
Tranquilizer, Fights alcohol 312
Tranquilizer effects, Nullified 160
Tranquilizers, Alcoholics 338
Trans-Atlantic cable 259
Transistors, Paper 243
Transplant, Toe to hand 157
Transplant patients, Cancer 319
Transplant rejection, RNA 112
Transplanted hearts, Shortlived 260
Transplants, Australia 112, 207
Transplants, Heart 57, 132, 207, 260, 319, 385
Transplants, Immuno-therapy 57
Transplants, International registry 641
Transplants, Mexico 236
Transplants, Russia 207
Transplants, Second 569
Transuranics, Stable 593
Trauma, Surgery 475
Triaxial cell, Deeper mines 598
Truex, Paul 495
Truth serum, Brain lesions 473
Tsutsui, Minoru 6
Tuataras, Survival 170
Tuberculosis test 597
Tumor treatment, Gold 365
Tumors, Antibody production 22
Tumors, Oxygen content 615
Tumors, Radioactive chromium implants 90
Tuna, Current 208
Tungsten-ATS-1 experiments 216
Tunnels, Multi-purpose 368
Turbine engine, Economics 617
Turbine rotors, Stronger 158
Turbocar 617
Twin study, Drug reaction 551
Tydings, Joseph D. 164, 336
Tyler, G. Leonard 213

U

Udall, Stewart L. 166, 567, 617
Ultrasonic cleaner 221
Ultrasonic computer memory 390
Ultrasound, Stump pain 264
Ultrasound pulses, Wood 496
Unemployed, Hard-core 591
Universe, Age of 313
Universe, Big bang 575
University, Challenges 539
University research, Funding 7
Uranium miners' safety 638
Uranium oxide, Australian 300
Urban affairs, University 540
Urban planning, Mexico 37

V

V/STOL, Bronco 158
V/STOL, Inertial guidance 158
V/STOL, Tilt-rotors 12
Vaccine, Hong Kong strain 639
Vaccine, Leprosy 260
Vaccine, Rubella 444
Vaccine, Syphilis 157
Vacuum braking control 214
Vaiana, Guiseppe 156
Van Andel, Tjeerd H. 144
Van Asperen de Boer, J. R. R. 344
Van Schaik, Peter N. 446
Van Tamelen, Eugene E. 161
Vand, Vladimir 38
Varela, Gerardo 157
Venereal disease, Underreported 362
Venus, Rugged sectors 138
Venus, Solar wind 474
Venus, Temperature 186, 389
Venus data, Analysis 179
Venus-Mercury flyby 204
Veraa, C. F. 83
Verbeek, W. A. 111
Verschuur, Gerritt L. 283
Vesell, Elliot S. 551
Vetter, Betty M. 340, 537
Vibration, Deformation 596
Vietnamese marijuana 621
Viola, V. E. Jr. 313
Violence commission 388
Violent patients, Limbic cells 91
Virus, Cancer-causing 154
Viscosity of red cells 215
Vitamin B-6 522, 542
Vitamin D, 25-HCC 391
Voles, Experiments 520
Volsky, Mikhail 341
von Gierke, Gerhart 438
Voting booths, Nicaragua 185
Vsekhsvyatskiy, Sergey 574

W

W particle 161, 500
WHO, Pharmaceutical code 36
WY-4355, Long-term tests 62
Wadsworth, Frank 495
Waggoner, Paul 496
Wagner, John G. 571
Wakefield, Richard 187
Walker, Kenneth C. 337
Walker, Robert M. 596
Wallaby, Parma 170
Wallace, George C. 477
Wallen, Eugene 581
Wangensteen, Owen H. 442
Ward, Neil B. 396
Warne, Colston 360
Warren, Eugene R. 441
Washington Airlines 229
Wasserman, Robert H. 522
Waste water, Irrigation 292
Waste-water recycle 263
Water, Desert method 159
Water, Pillars of liquid 89
Water condensate, Abnormal 615
Water hyacinth 425
Water pollution, Europe 233
Water pollution, Spills 595
Water pollution, Thermal 164, 495
Waterfowl, Analysis 571
Waterfowl, Dry potholes 269
Watson, W. Marvin 245
Wave study, Mathematical 620
Waveguide detector, Moths 244
Wave-particle duality 366
Waves, Nature of 496
Weak force, High energies 501
Weak interactions 161, 266
Weather facsimile 113
Weather modification, Soviet 481
Weather research, Cloud tunnel 480
Webb, James E. 311
Webber, Barclay 204
Weber, Joseph 154
Wedderburn, Dorothy 235
Weed control, India 208
Weickmann, Helmut K. 262
Weightlessness simulator 11
Weights, Tamperproof 221
Weiss, Harold 343
Weiss, Rainier 397
Weisskopf, Victor 58
Welfare policies 591
Wiesner, Jerome 589

CLASSIFIED

Classified advertisements are accepted for the following classifications: Books, Business Opportunities, Camps, Colleges, Micro Ads, Personals, Positions Wanted, Schools, Services, Travel. All advertisements must be consonant with the character of Science News.

Rates . . . single insertion 30c a word. Minimum charge is $6.00. For multiple insertions, write for rate card. Classified advertising is payable in advance. Closing date 4 weeks prior to publication (Saturday).

Employment opportunities are accepted at regular display rates, subject to agency commission. Minimum size 1 inch. Minimum charge $23.80 per inch. Rate cards available upon request.

To speed up insertion, address classified advertising . . . Classified Ads, Science News, 1719 N Street, N.W., Washington, D. C. 20036.

BOOKS

SHELLS AND OTHER MARINE Invertebrates. Comprehensive Lists. LEW's, 2510 Van Ness Ave., San Francisco, Calif. 94109.

PAPERBACK CATALOGUE, 270 pages, 15,000 titles, subject indexed. Send $2.00, credited toward first order. VISIT. Substantial Savings, PAPERBACKS, HARDBOUNDS, RECORDS. New York Book, 4s West 43rd Street, New York, N.Y. 10036.

MICRO ADS

GOVERNMENT SURPLUS 80-page electronic-optical catalog showing hundreds of bargains galore. Pennies on the dollar. Meshna, Nahant, Mass. 01908.

LIVE SEAHORSES, marine specimens, aquarium supplies. Illustrated catalog 15c. Marine Box 248-206 Dania, Florida 33004.

SCIENCE FAIR SPECIAL—Grow, study world's most amazing plant. Insect-eating Venus's Fly Traps lure, catch, eat live insects. Science Fair set has 6 big bulbs, lanting moss 5¼" x 5'¹ x 3¾" plastic greenhouse, culture directions—$4 ppd. 6 Venus's bulbs $3, 3 bulbs $2. Illustrated brochure describes many Plant Oddities Experiment Sets 25¢. Introductory Collection has 3 Venus's bulbs, 1 Huntsman's Horn, 1 Purpurea Pitcher Plant, directions, $4 ppd. Germination guaranteed. Armstrong Associates, Box 127, Basking Ridge, N.J. 07920.

CUSTOM MADE FISHEYE lens attachment for most 35mm cameras. Send $15 and exact inside dimension of your lens cover. Write Box 33, Holbrook, N.Y., 11741.

PERSONALS

"AUTHENTIC 1881 FORMULAE & RECIPES. Salves, ointments, bitters, alteratives, foods, etc. Price list 10c. W. Young, Box 322, Mooreland, Ok. 73852."

SERVICES

OVER 2,000,000 BACK DATE magazines! Low prices. Fast service. Send needs. No catalog. Midtown Magazines, Box 917-SR, Maywood, N. J. 07607.

If you could see the people CARE feeds...

...you wouldn't need coaxing. Mail a check.

CARE Food Crusade, New York, N.Y. 10016

Weld defects, Acoustic emission 445
Welsh, Edward C. 203
Wendelstein Stellarator W. II 439
Went, Frits W. 474
Westheimer, Frank 526
Weston accelerator 81, 108, 161
Wheat, Three-gene strains 19
Whipple, Fred 492
Whitcomb, Vincent L. .. 83
White, Frederick 220
White, Leslie 525
Whiting, John W. M. 84, 625
Whitten, M. J. 36
Whittingham, David G. 391
Wiberg, K. B. 526
Wichman, Harvey M. ... 443
Wiesner, Jerome B. 386
Wilbur, Dwight L. ... 9, 207
Wilcox, George E. 549
Wild, J. P. 282
Wildlife, Australia 170
Wildlife, Suburbia 367
Williams, Edward Bennett 410
Williams, James S. 475
Williams, Robert J. 184
Williams, Roger J. 555
Wilson, Robert R. 81, 108, 344
Wind tunnels, Bridge models 60
Window, Clear-opaque .. 215
Windows, Acrylic 83, 619
Windows, Flexible 573
Windshield, Penetration-resistant 445
Wingard, Daniel W. 473
Winick, Myron 160
Winter feeding, Cattleweight 111
Wirtz, Willard 638
Witchdoctors, Zambia .. 207
Wolfe, A. M. 644
Wolfe, Walter G. 443
Wolff, Lester 7
Wolfgang, Marvin E. 388
Women, Discrimination .. 516
Women, Psychotropic drug 422
Women, Status of 497
Women engineers 544
Wood, Ultrasound detects defects 496
Wooster, Ted 166
World Medical Assembly, Sydney 207
Wounds, Blunt 475
Wright, James 248
Wright, James P. 389
Wright, W. J. 98
Wyatt, Philip J. 543
Wyckoff, Peter H. 262

X

XM8, Nerve agent alarm 498
XYY syndrome 388, 410
X-ray beam, Narrowed .. 90
X-ray crystallography 38, 298
X-ray emissions, TV 441
X-ray exposure, 50 generations 291
X-ray-opaque tantalum .. 443
X-ray pictures, Solar 156
X-ray spectrograph, Quick assay 60
X-ray stars, Radio observation 59
X-ray stars, Skylark rocket 188

Y

YOU, YGS, Youth Pride, Inc. 187
Yahr, Marvin D. 623
Yancey, William L. 393
Yeh, Yin 138
Yellow fever threat 248
Yokley, Paul 495
Yoshikawa, Shoichi 439
Youmans, A. B. 574
Young, John W. ... 449, 569
Youngs, J. W. T. 335
Yttrium 90, Cancer cells 442

Z

Zambia, Blindness 207
Zebra, kudu, wildebeest 219
Zenisov, Boris 207
Zigler, Edward 108
Zinn, Raymond D. 136
Zocher, Hans 321
Zond 5 ..... 338, 569, 573
Zond 6 569
Zubrod, C. Gordon 444, 626

Trippensee Transparent Celestial Globe

The 16-inch Trippensee Transparent Celestial Globe is made from durable, ¼-inch acrylic plastic. It is complete with all major stars, constellations, multiple and variable stars, a 6-inch earth globe, calibrated internal horizon ring, and compass in the base for proper orientation. The globe also features a unique color-coded design which enables the stars to be seen as an observer would view them from the earth. The Trippensee Celestial Globe is a precisely accurate piece of equipment as well as an ideal decorator item for den or family room. Write for details or send check or money order to:

Price delivered $94.50

TRIPPENSEE PLANETARIUM CO., INC.
2201 South Hamilton St., Saginaw, Michigan 48602

GET INTO **ELECTRONICS**

V.T.I. training leads to success as technicians, field engineers, specialists in communications, guided missiles, computers, radar, automation. Basic & advanced courses. Electronic Engineering Technology & Electronic Technology curricula both available. Assoc. in 29 mos. B.S. obtainable. Start February, September. Dorms, campus. High School graduate or equivalent.

VALPARAISO TECHNICAL INSTITUTE
Electronics Dept. A, Valparaiso, Ind. 46383

MEET THE HEAVENS!

LUNAR MAP: 10" chart in 2 colors identifies 326 mountains, seas, craters. 25 cents
POPULAR STAR ATLAS: All stars to magnitude 5½ charted in book form. $2.50
Write for new free catalogue N.

SKY AND TELESCOPE Dept. SNP Cambridge, Mass. 02138

CHEMTREE

SPECIAL NUCLEAR SHIELDING

CHEMTREE CORPORATION
Central Valley, N.Y.
914-928-2293

AUTHORS WANTED BY NEW YORK PUBLISHER

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For Free Booklet write Vantage Press, Dept. TB, 120 W. 31 St., New York 10001.

SEE MIRACLE OF BIRTH

$4.98* POST PAID WITH SIX QUAIL EGGS ($3.25 Without Eggs.)

You get the new clear plastic dome CHICK-BATOR with 6 Bobwhite Quail Eggs (available year-round) and Egg Hatchers Guide Book. Complete — nothing else to buy. Send check or Money Order today

G.Q.F. MFG. CO., DEPT. CL, BOX 152, SAVANNAH, GA.

GRADWOHL

School of Laboratory Technique

Be a medical lab technician! Big demand, good salaries. One-year course for H.S. grads. Enter monthly. Co-ed. Internationally known. M.D. supervised. G.I. approved. Placement service. Catalog:

Stanley Reitman, M.D.,
3528 Lucas Ave., St. Louis, Mo. 63103

BOOK ORDER SERVICE

For the convenient purchase of any U.S. book in print you may avail yourself of Science News Book Order Service, 1719 N St., N.W., Washington, D.C. 20036. We pay postage. 25¢ handling charge if price is less than $2.00. Regular retail prices on all books.